

Ying Guan

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,140
citations

361413

20
h-index

395702

33
g-index

45
all docs

45
docs citations

45
times ranked

1189
citing authors

#	ARTICLE	IF	CITATIONS
1	High Strength Hemicellulose-Based Nanocomposite Film for Food Packaging Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1985-1993.	6.7	145
2	High strength of hemicelluloses based hydrogels by freeze/thaw technique. <i>Carbohydrate Polymers</i> , 2014, 101, 272-280.	10.2	126
3	A mesoporous nanocellulose/sodium alginate/carboxymethyl-chitosan gel beads for efficient adsorption of Cu ²⁺ and Pb ²⁺ . <i>International Journal of Biological Macromolecules</i> , 2021, 187, 922-930.	7.5	52
4	Hemicelluloses-based magnetic aerogel as an efficient adsorbent for Congo red. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 369-375.	7.5	44
5	Combined effects of raw materials and solvent systems on the preparation and properties of regenerated cellulose fibers. <i>Carbohydrate Polymers</i> , 2015, 128, 147-153.	10.2	43
6	Tough, Resilient, Adhesive, and Anti-Freezing Hydrogels Cross-Linked with a Macromolecular Cross-Linker for Wearable Strain Sensors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42052-42062.	8.0	43
7	Organic-Inorganic Composite Films Based on Modified Hemicelluloses with Clay Nanoplatelets. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1811-1818.	6.7	42
8	Fabrication of Biopolymer Hydrogel Containing Ag Nanoparticles for Antibacterial Property. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7393-7400.	3.7	42
9	Facile approach to prepare drug-loading film from hemicelluloses and chitosan. <i>Carbohydrate Polymers</i> , 2016, 153, 542-548.	10.2	42
10	Ultra-efficient sorption of Cu ²⁺ and Pb ²⁺ ions by light biochar derived from <i>Medulla tetrapanax</i> . <i>Bioresource Technology</i> , 2019, 291, 121818.	9.6	42
11	Nanoreinforced hemicellulose-based hydrogels prepared by freeze-thaw treatment. <i>Cellulose</i> , 2014, 21, 1709-1721.	4.9	39
12	Synthesis and properties of hemicelluloses-based semi-IPN hydrogels. <i>International Journal of Biological Macromolecules</i> , 2014, 65, 564-572.	7.5	39
13	TEMPO-oxidized cellulose hydrogel for efficient adsorption of Cu ²⁺ and Pb ²⁺ modified by polyethyleneimine. <i>Cellulose</i> , 2021, 28, 7953-7968.	4.9	33
14	Regulating Lignin-Based Epoxy Vitremer Performance by Fine-Tuning the Lignin Structure. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1117-1125.	4.4	32
15	Machine learning prediction of lignin content in poplar with Raman spectroscopy. <i>Bioresource Technology</i> , 2022, 348, 126812.	9.6	30
16	Hemicelluloses/montmorillonite hybrid films with improved mechanical and barrier properties. <i>Scientific Reports</i> , 2015, 5, 16405.	3.3	29
17	Fabrication of hemicelluloses films with enhanced mechanical properties by graphene oxide for humidity sensing. <i>Carbohydrate Polymers</i> , 2019, 208, 513-520.	10.2	28
18	Preparation and Characterization of Blended Films from Quaternized Hemicelluloses and Carboxymethyl Cellulose. <i>Materials</i> , 2016, 9, 4.	2.9	26

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19	PHEMA hydrogel films crosslinked with dynamic disulfide bonds: synthesis, swelling-induced mechanical instability and self-healing. <i>Polymer Chemistry</i> , 2019, 10, 4844-4851.	3.9	25
20	Fractionation of bamboo hemicelluloses by graded saturated ammonium sulphate. <i>Carbohydrate Polymers</i> , 2015, 129, 201-207.	10.2	20
21	A non-covalent strategy for montmorillonite/xylose self-healing hydrogels. <i>RSC Advances</i> , 2015, 5, 41006-41012.	3.6	20
22	Smart microneedle patches for rapid, and painless transdermal insulin delivery. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9335-9342.	5.8	19
23	Organic/Inorganic Superabsorbent Hydrogels Based on Xylan and Montmorillonite. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-11.	2.7	17
24	Fabrication of flexible composite film based on xylan from pulping process for packaging application. <i>International Journal of Biological Macromolecules</i> , 2021, 173, 285-292.	7.5	16
25	A sustained zero-order release carrier for long-acting, peakless basal insulin therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1952-1959.	5.8	15
26	Constructing a Novel Xylan-Based Film with Flexibility, Transparency, and High Strength. <i>Biomacromolecules</i> , 2021, 22, 3810-3818.	5.4	14
27	Injectable Carrier for Zero-Order Release of Salmon Calcitonin. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 485-493.	5.2	13
28	Regenerated Cellulose Fibers Prepared from Wheat Straw with Different Solvents. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 793-801.	3.6	11
29	Construction of shape memorable imprinted cavities for protein recognition using oligo-l-lysine-based peptide crosslinker. <i>Journal of Colloid and Interface Science</i> , 2021, 595, 118-128.	9.4	11
30	Regulating effect of hemicelluloses on the preparation and properties of composite Lyocell fibers. <i>Cellulose</i> , 2015, 22, 1505-1516.	4.9	10
31	Rapid Processing of Holocellulose-Based Nanopaper toward an Electrode Material. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3337-3346.	6.7	9
32	Glucose-Triggered Micellization of Poly(ethylene) Terephthalate (PET)/Poly(ethylene glycol)-poly(isopropylamine) Copolymer. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3966-3976.	4.4	7
33	Investigation of the Thermo-Mechanical Properties of Blend Films Based on Hemicelluloses and Cellulose. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-10.	2.7	6
34	Hydrogen-Bonded Films for Zero-Order Release of Leuprolide. <i>Macromolecular Bioscience</i> , 2020, 20, 2000050.	4.1	6
35	Diels-Alder Cross-Linked, Washing-Free Hydrogel Films with Ordered Wrinkling Patterns for Multicellular Spheroid Generation. <i>Biomacromolecules</i> , 2021, 22, 3474-3485.	5.4	6
36	A highly programmable platform for sequential release of protein therapeutics. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1616-1624.	5.8	6

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37	Novel strategy for establishment of an FT-Raman spectroscopy based quantitative model for poplar holocellulose content determination. <i>Carbohydrate Polymers</i> , 2022, 277, 118793.	10.2	6
38	Magnetic Field-Assisted Fast Assembly of Microgel Colloidal Crystals. <i>Langmuir</i> , 2022, 38, 6057-6065.	3.5	5
39	Novel high-strength montmorillonite/polyvinyl alcohol composite film enhanced by chitin nanowhiskers. <i>Journal of Applied Polymer Science</i> , 2021, 138, app50344.	2.6	4
40	Comparative studies on lignin structures in normal and tension wood of <i>Populus euramericana</i> cv. '74/76'. <i>International Journal of Biological Macromolecules</i> , 2021, 172, 178-185.	7.5	4
41	Radial variation of wood anatomical and chemical properties in eight poplar clones. <i>Canadian Journal of Forest Research</i> , 2022, 52, 19-26.	1.7	4
42	High-Performanced Hemicellulose Based Organic-Inorganic Films with Polyethyleneimine. <i>Polymers</i> , 2021, 13, 3777.	4.5	3
43	Monitoring the kappa number of bleached pulps based on FT-Raman spectroscopy. <i>Cellulose</i> , 2022, 29, 1069-1080.	4.9	3
44	A slow pyrolysis biochar derived from <i>Tetrapanax papyriferum</i> petiole as an effective sorbent for removing copper ions from aqueous solution. <i>BioResources</i> , 2019, 14, 4430-4453.	1.0	2